

# SECURITY & SAFETY MARITIME REALISTIC TESTING

DEPARTMENT OF HOMELAND SECURITY

SERVING THE COAST GUARD THROUGH TECHNOLOGY



**THE DETACHMENT** is capable of testing:

- Port security systems
- Law enforcement equipment
- Homeland security tactics
- Search and rescue methods
- Environmental protection equipment
- Full-scale testing of fire protection systems



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## FIRE & SAFETY TEST DETACHMENT



**THE U.S. COAST GUARD'S WORLD CLASS DEDICATED TEST FACILITY ENSURES THAT NEW TECHNOLOGY, SYSTEMS, AND PROCEDURES WILL WORK IN A REAL MARINE ENVIRONMENT AND SUPPORT COAST GUARD MISSIONS**

**THE DETACHMENT** provides vital support to the Coast Guard's homeland security and other missions by providing an in-house capability to conduct full-scale shipboard tests and evaluations under realistic maritime environmental conditions.

**THE DETACHMENT'S** test facilities are maintained at Little Sand Island in Mobile Bay, Alabama. The test vessel STATE OF MAINE, a 500 foot ex-passenger and troop transport ship, provides realistic settings for shipboard security, safety, and fire test scenarios involving accommodation areas, passageways, stairwells, machinery spaces, cargo holds and weather decks. Little Sand Island contains additional test facilities including burn pans for oil fire scenarios requiring large open spaces.





## FIRE & SAFETY TEST DETACHMENT

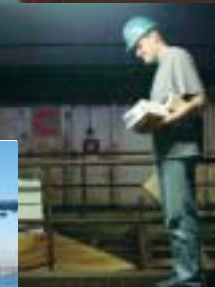
### RECENT MARITIME HOMELAND SECURITY TESTING:

- Testing explosives and radioactive materials detection equipment
- Evaluation of portable radio systems to support boarding teams
- Evaluation of U.S. Navy boarding, search, and seizure procedures
- Training FBI and U.S. Marine SWAT teams for shipboard terrorist incidents
- Training canine handler teams



### RECENT FIRE PROTECTION EQUIPMENT TESTING:

- Evaluating aerosol systems for machinery space applications
- Evaluation of high expansion foam systems for use in engine rooms
- Evaluating gaseous agent extinguishing systems for protecting machinery spaces
- Testing the interaction between sprinkler sprays on impact resistant glass
- Testing water mists for protection of machine spaces



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### THE DETACHMENT ENABLES TESTS THAT:

- HELP TO DEVELOP AND ESTABLISH PROCEDURES AND PERFORMANCE CRITERIA TO IMPROVE SECURITY AND SAFETY IN THE MARITIME ENVIRONMENT.
- ARE USED IN THE DEVELOPMENT OF INTERNATIONAL MARITIME ORGANIZATION TEST STANDARDS THEREBY ASSURING UNIFORMITY IN INTERNATIONAL TEST PROCEDURES.
- ARE OFTEN CONDUCTED IN PARTNERSHIP WITH GOVERNMENT, INDUSTRY, AND INTERNATIONAL ORGANIZATIONS.

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